

# SSR1 STATUS

## VTs testing and BCP

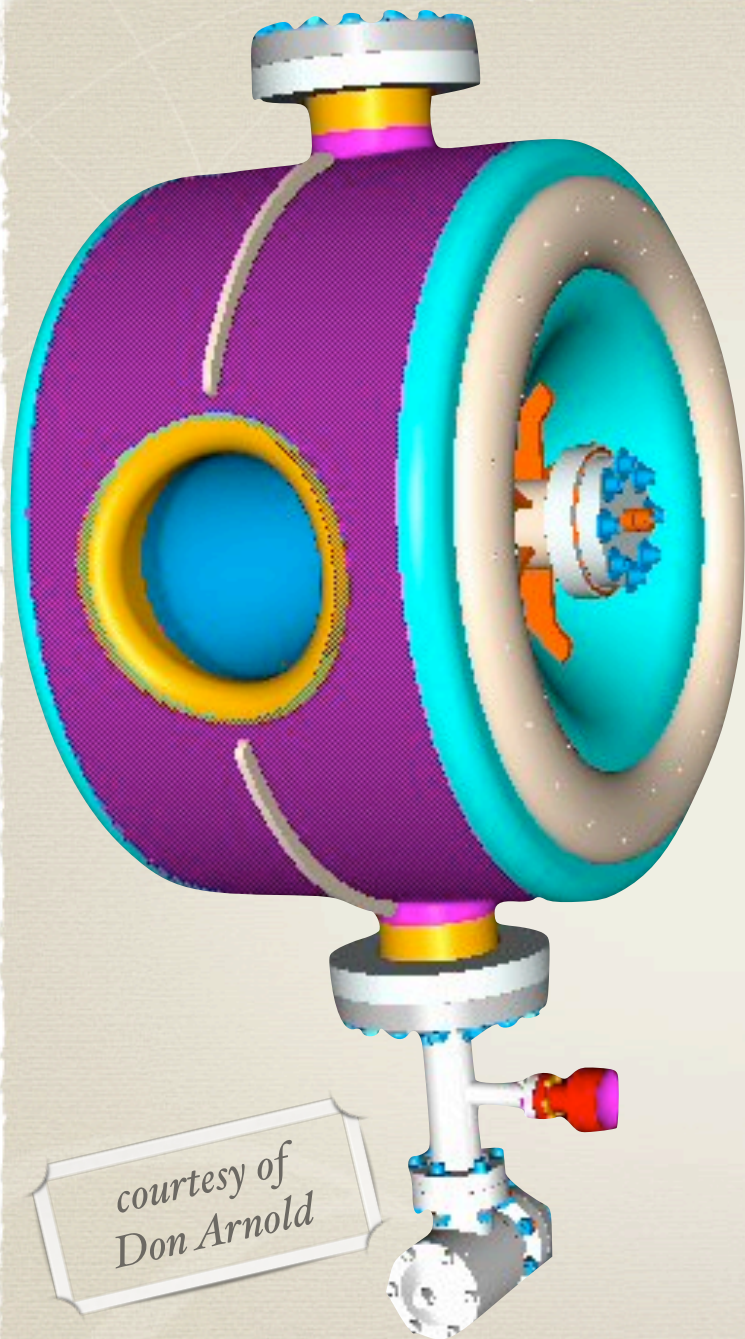
G.Lanfranco  
TD - FNAL

# SSR1 Flanges for low RF testing

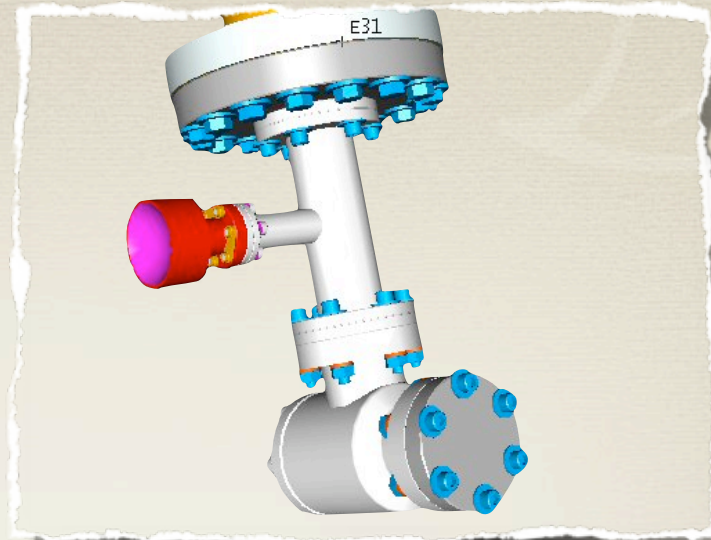
- \* Drawings have been released (ER 8776)
- \* Kyocera feedthru connector expected by Oct. 16th
- \* Brazing operations after feedthru in house @ IB4
- \* Parts are being procured (2 sets)

Part. #	Part name
MB-457601	3 - 3/8 CF Feedthru Flange
MC-457602	3 - 3/8 CF Flange - Kyocera Feedthru
MB-457609	Antenna Feedthru Coupler
MB-457610	Antenna Feedthru Coupler Assy
MB-457629	Short Antenna Tip
MB-457630	Long Antenna Tip
ME-457631	Flange and Valve Assy
MA-457670	2 - 3/4 x 1 - 1/3 CF Reducer Tee
MB-457676	DN 40 (1 - 1/2) Metal Angle Valve
MA-457692	6 x 2 - 3/4 zero length Reducer
MA-457693	1 - 1/3 CF Flange Burst Disc
MA-457694	3 - 3/8 CF Flange Gasket

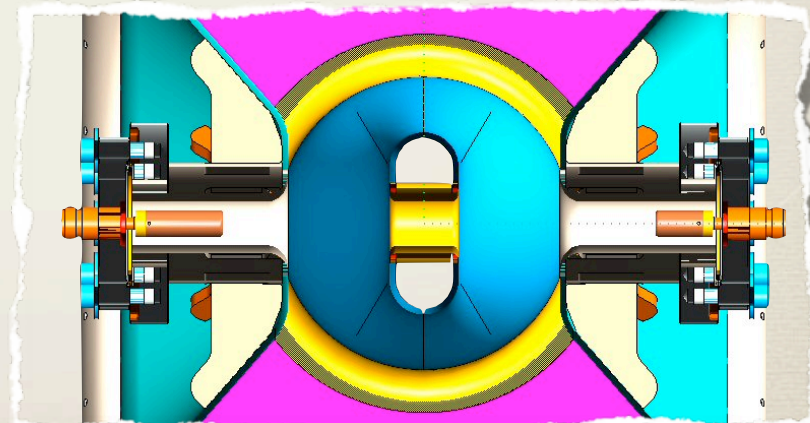




*courtesy of  
Don Arnold*



burst disc and  
vacuum valve detail

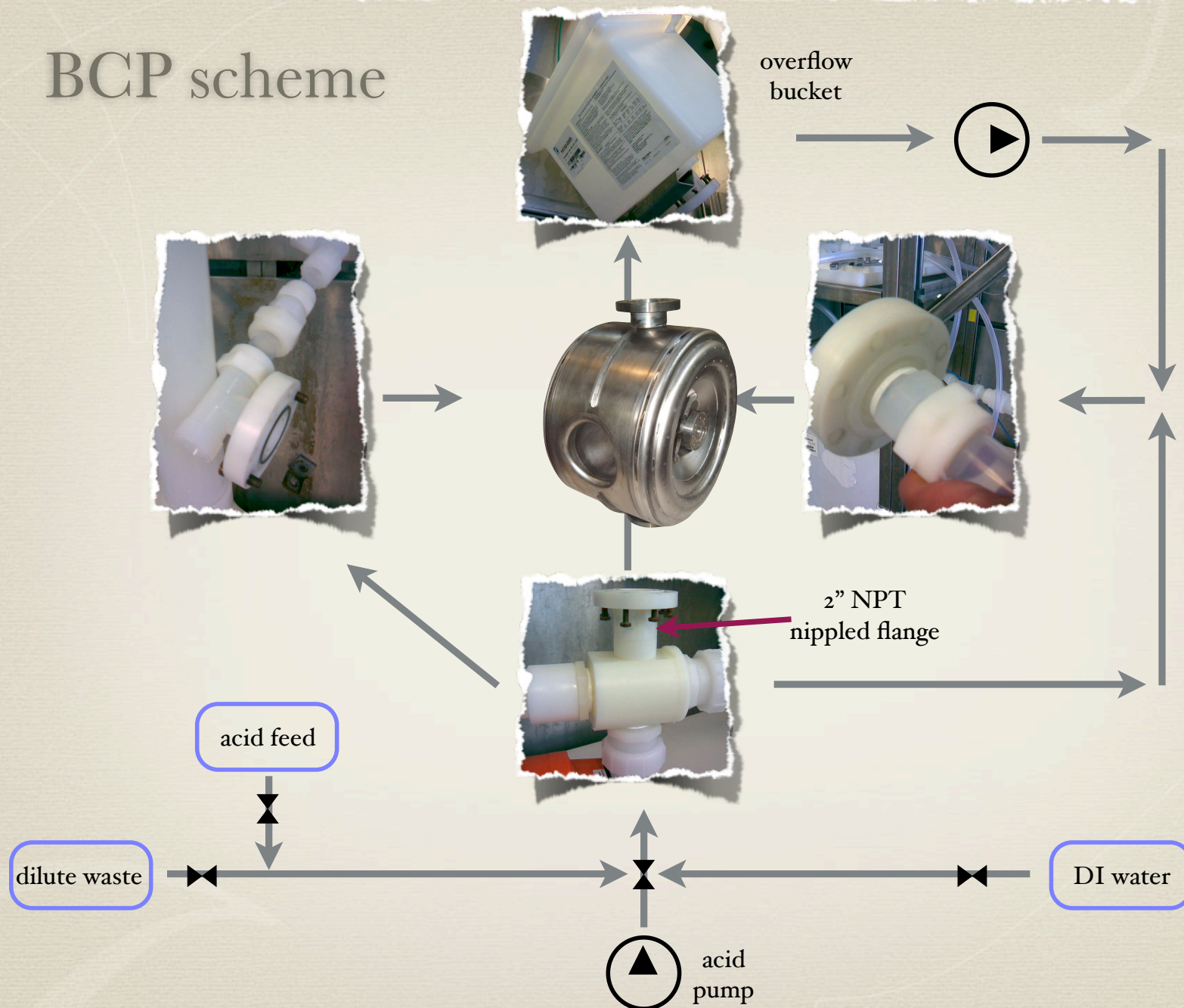


PC and pick-up  
antennae detail

SSR1 BCP @ ANL



# BCP scheme



## SSR1 plumbing for BCP at ANL

- \* Minimize the parts to procure using parts already existing the ANL plumbing:
  - ▶ top overflow bucket assembly (4 1/2 flange bolt holes)
  - ▶ bottom 2" NPT nipples flange (4 1/2 CF)
- \* 7 parts being detailed (see chart next page) in HDPE
- \* Timeline estimate: M.Kelly needs to review the parts. Meeting scheduled after he is back from RF2007 (Oct. 20).



# Parts

## Plumbing

# pieces	What
2	3-3/8" CF Flange Center hole tapped 3/4" NPT female - beam pipe port
2 x 3PCS	6" PC flange to 4.5" flange transition assembly for PC interface
2	SSR1 Chill tank with welded 4.5" flange
2	reinforcement bar for tank bottom

## Manpower

**2 - 3 days FTE**

Steve McDonald of ANL would work but need for a Fermilab technician  
2-3 days to set up the plumbing after the degreasing.